

Date of Submission: 3/8/2024

FSA **24S16** - Certain 2022 – 2023 Ford Bronco Sport And 2022 Ford Escape – 1.5L Engine Underhood Fire

Chronology

On **February 6, 2024**, an issue pertaining to underhood fires on Bronco Sport and Escape vehicles produced after Safety Recall 22S73 (NHTSA Recall No. 22V-859) clean point was brought to Ford's Critical Concern Review Group (CCRG) for review. Ford's Internal Combustion Engines Propulsion Thermal Systems Engineering (IPTSE) team had identified leaks during component-level injector flow testing on fuel injectors recovered from two Bronco Sport vehicles that had experienced underhood fires.

Ford determined that the two vehicles were produced on November 23, 2022, and December 13, 2022, with HX7G-9F597-BC fuel injectors. These injectors have a reduced knurl diameter relative to the HX7G-9F597-BB injector that the Recall 22S73 population of vehicles was originally produced with. This change was introduced to provide improved robustness against stresses leading to cracking. Ford did not include the updated engine control software developed as part of the Recall 22S73 remedy for Escape vehicles produced from October 17, 2022, to December 15, 2022, and Bronco Sport vehicles produced from October 17, 2022, to January 13, 2023, at Hermosillo Assembly Plant. This software will detect a pressure drop in the fuel rail, provide instrument cluster messaging to the customer to seek service, invoke a strategy to disable the high-pressure fuel pump, derate engine power output and reduce temperatures of possible ignition sources in the engine compartment. Ford's decision not to include the updated engine control software on these vehicles was based on Ford's assessment of the new injectors' improved robustness.

Ford is aware of 5 underhood fires on 1.5L Escape and Bronco Sport vehicles built during this window of production. Ford is aware of 2 related VOQs during this production window, describing 2 of the 5 underhood fires. Ford is also aware of 14 warranty replacements of BC-level injectors on 1.5L vehicles due to suspected cracking during this production window.

Ford is not aware of any reports of accident or injury related to this condition.

On **March 1, 2024**, Ford's Field Review Committee reviewed the concern and approved a field action.